

1 45464/GSL/E87

SCAN TEST APPARATUS FOR TESTING OF
PRINTED CIRCUIT BOARDS

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ABSTRACT OF THE DISCLOSURE

10 A scan test apparatus having at least an upper layer of
conductive and compliant material and may include a lower layer
of conductive and compliant material sized to cover the upper and
lower surfaces of the printed circuit board to be tested.
Electrical current is introduced into the conductive layers which
shorts out the circuits on the printed circuit board. An
electrical contactor is positioned on either side of the
conductive layers on both sides of the printed circuit board.
15 The printed circuit board is passed through the upper and lower
conductive layers and the contactors by rollers positioned on
each end of the scan test machine. The contactor sends a test
signal from the circuit board to measurement electronics. Other
embodiments include the shorting matrix to be movable and the
20 printed circuit board being fixed and include non-contact sensors
or arrays of electrical contactors.

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